

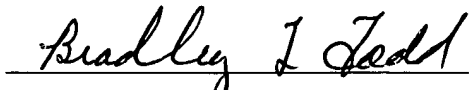
3. The Examiner rejected claims 1, 2, 7-9, 14-16, 21, 22, 27, and 30 (the "Claims") of the Patent Application in an Office Action mailed March 6, 2006, based, in whole or in part, on U.S. Patent Application Publication No. 2005/0028976 by Philip D. Nguyen ("the Nguyen Application") that was filed on August 5, 2003.

4. Sometime prior to August 5, 2003, we, the undersigned, developed an understanding and appreciation of the subject matter as described in the Patent Application and Claims, as evidenced by an invention disclosure form attached as Exhibit A, which is described below.

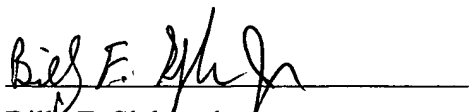
5. As an example, we, the undersigned, reduced to practice the subject matter of the Patent Application and Claims as evidenced by attached Exhibit A. The methods shown in Exhibit A include at least a method of reducing the pH of a servicing fluid comprising the steps of: providing a crosslinked, viscous servicing fluid comprising an acid-releasing degradable material; allowing the acid-releasing degradable material to produce an acid; and allowing a pH of the servicing fluid to be reduced. Exhibit A includes experimental results, which with the accompanying textual description, show a reduction to practice of this subject matter.

6. The acts referred to in paragraphs 4 and 5 were carried out in the United States prior to August 5, 2003.


7. We hereby declare that all statements made herein and of our knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and such willful false statements may jeopardize the validity of the application or any patent issued thereon.


Bradley L. Todd

7-18-2006
Date


Billy F. Slabaugh

7-6-2006
Date


Trinidad Munoz, Jr.

7-24-2006
Date

EXHIBIT A

HALLIBURTON ENERGY SERVICES GROUP

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INVENTION DISCLOSURE

P.M. No.

2001-IP-005443

TITLE: Lactides for use as Delayed pH Reduction

FULL NAME OF FIRST JOINT INVENTOR

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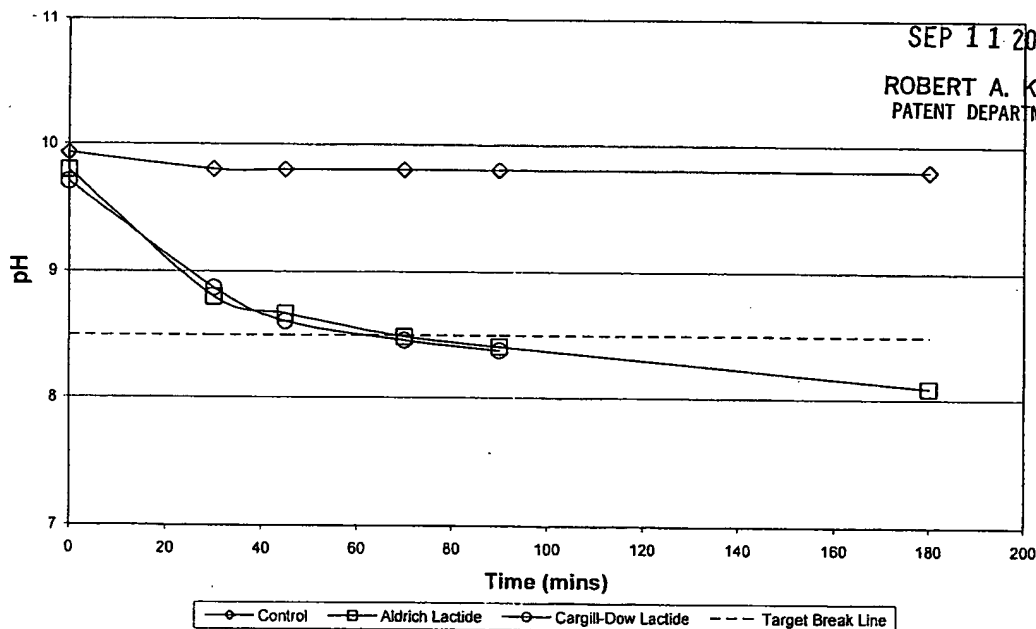
Description of Invention: Give brief description of invention, and where possible a sketch. Do not write on back of this sheet. If additional space is necessary, use additional disclosure sheets (R&S 2311) and number consecutively. Sign and date each sheet and have each witnessed. Witnesses must be persons capable of understanding invention. If invented prior to date on this sheet, give full details - date, to whom disclosed, identify drawings, if any, etc. If used in the field, specify for what company and designate well and date.

Lactides are cyclic, intermolecular double esters formed from α -hydroxy acids. The term can also be used for the particular double ester of lactic acid. Likewise, glycolide is a term used for the cyclic double ester of glycolic acid. When these materials are placed in an aqueous media, they will eventually hydrolyze to the parent α -hydroxy acid. The rate at which they hydrolyze produces a controlled delayed reduction in pH useful as a breaker in fracturing fluids.

The rate of pH reduction was tested with both reagent grade (Aldrich) and agricultural grade (Cargill-Dow) at 130 degrees F on a HPF fluid. See figure below for pH reduction. For this fluid, a pH of about 8.5 causes the fluid to break. The figure on the next page shows the Model 50 break of an HPF fluid at 150F with 30 #/M lactide.

Lactide Break of HPF Fluid

RECEIVED



Signed at Duncan OK this 10 day of Sept, 2001

Signature of Inventor
 Signed at Duncan, OK this 10 day of September, 2001

Signature of Inventor
 Explained to and Understood by Me:

Signature of Witness
 Please forward immediately to: Halliburton Services, Patent/Legal, Duncan, OK 73536-0102

Date

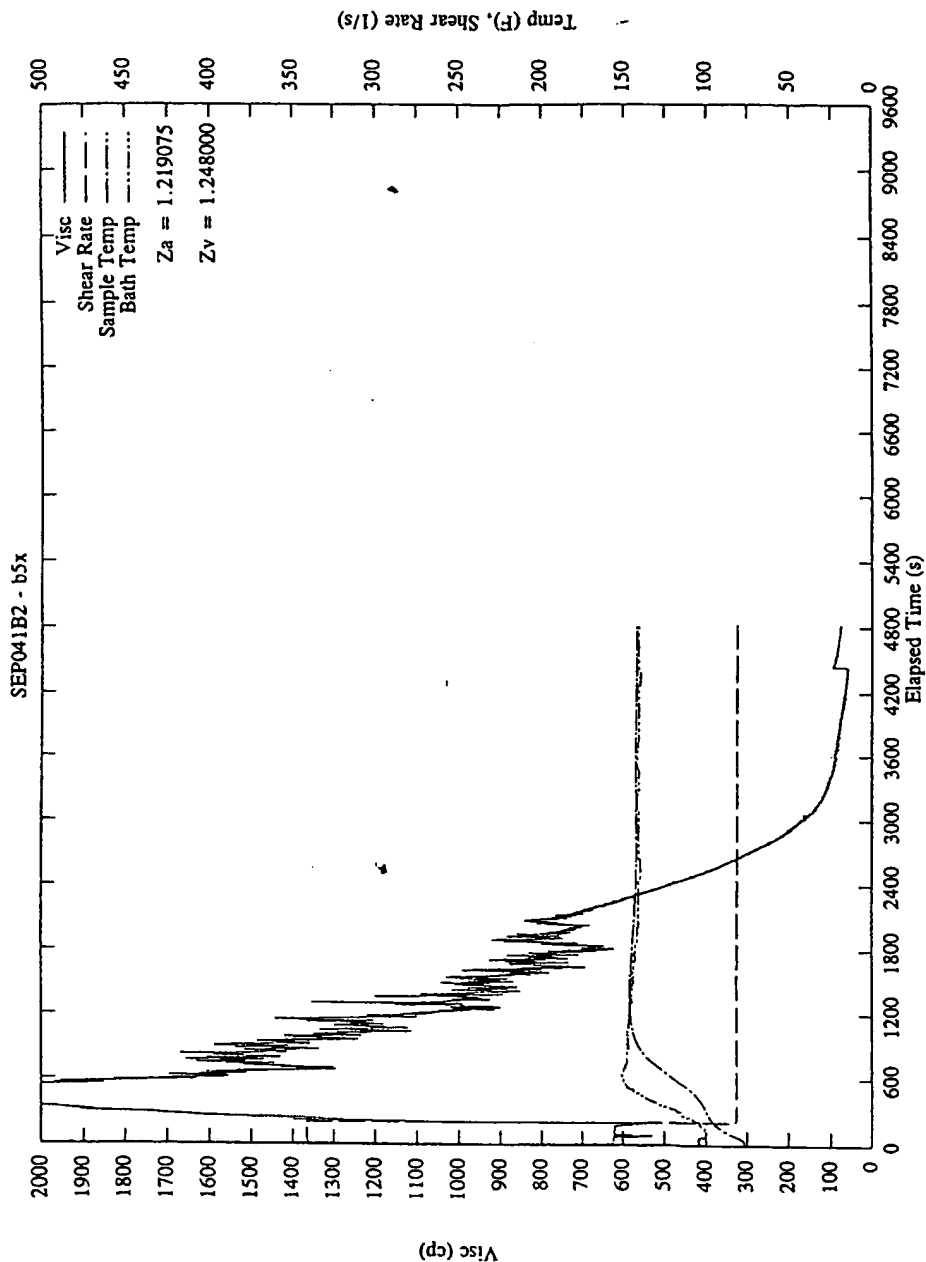
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Page 2 of 2

INVENTION DISCLOSURE

P.M. No.

TITLE: Lactides for use as Delayed pH Reduction



Signed at Duncan, OK this 10 day of Sept, 2001

David J. Jodel
Signature of Inventor

Signed at Duncan, OK this 10 day of September, 2001

Billy D. Jodel
Signature of Inventor

Explained to and Understood by Me:

David J. Jodel
Signature of Witness

9-11-01

Please forward immediately to: Halliburton Services, Patent/Legal, Duncan, OK 73536-0102

Date